

Access DB# 71018**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 7/17/02
Art Unit: 3700 Phone Number 301-81137 Serial Number: 09181104
Mail Box and Bldg/Room Location: CP2-2A0 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

LIT SEARCH 5,881,717

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Solomon</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-5932</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>CP2, 2C08</u>	Structure (#) _____	Questel/Orbit <u>✓</u>
Date Searcher Picked Up: <u>7-16-02</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>7-16-02</u>	Litigation <u>✓</u>	Lexis/Nexis <u>✓</u>
Searcher Prep & Review Time: <u>1</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>3</u>	Other _____	Other (specify) _____

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1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5881717

March 16, 1999

System and method for adjustable disconnection sensitivity
for disconnection and occlusion detection in a patient
ventilator

REISSUE: March 16, 2001 - Reissue Application filed Mar. 16, 2001 (O.G. Nov. 27, 2001) Ex. Gp.: 3761; Re. S.N. 09/811,104 November 27, 2001

APPL-NO: 08818173

FILED-DATE: March 14, 1997

GRANTED-DATE: March 16, 1999

Selected file: PLUSPAT

**** SS 1: Results 1**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

PN - US5881717 A 19990316 [US5881717]

TI - (A) System and method for adjustable disconnection sensitivity for disconnection and occlusion detection in a patient ventilator

PA - (A) NELLCOR PURITAN BENNETT INC (US)

IN - (A) ISAZA FERNANDO J (US)

AP - US81817397 19970314 [1997US-0818173]

PR - US81817397 19970314 [1997US-0818173]

IC - (A) A61M-016/00

EC - A61M-016/00K

ICO - K61M-016/00A20

K61M-016/00A21

K61M-039/10A2

PCL - ORIGINAL (O) : 128202220; CROSS-REFERENCE (X) : 128204210
128205230

DT - Corresponding document

CT - US3595228; US4155357; US4176617; US4286589; US4287886; US4550726;
US4883051; US5057822; US5320092; US5537997; US5626129; US5715812;
US5720709; US5740796; EP0099743; EP0459647; EP0742027
Drager--Evita Intensive Care Ventilator Instruction Manual.

Marketing Brochure--Pediatric-Adult Star 1500

Ventilator--Infrasonics, Inc. Star Products.

STG - (A) United States patent

AB - The system and method for detecting disconnection and occlusion of a tubing system of a patient ventilator detects disconnection of the tubing system, opens the exhalation valve, delivers an idle flow of breathing gas to the tubing system, disables breath triggering, and generates an alarm. A reconnection of the tubing system can also be detected, to initiate resumption of pressure supported inspiration. For occlusion detection, the pressure drop in the tubing system is determined by pressure sensors in the inspiratory and expiratory airways of the tubing system. The two pressure drop values are compared, and once occlusion is detected, an alarm is generated, and the ventilator responds to protect the patient from over distension. Abatement of the occlusion can also be monitored in a pressure based occlusion status cycling mode, and the ventilator can revert back to normal ventilation when either circuit occlusion or exhaust port occlusion are not detected.

1 / 1 LGST - @LEGSTAT

PN - US 5881717 [US5881717]

AP - US 818173/97 19970314 [1997US-0818173]

DT - US-P

ACT - 19970314 US/AE-A

APPLICATION DATA (PATENT)

US 818173/97 19970314 [1997US-0818173]

19970812 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

NELLCOR PURITAN BENNETT INCORPORATED 4280 HACIENDA DRIVE

PLEASANTON, CALIFORNIA * ISAZA, FERNANDO J. : 19970603

19990316 US/A

PATENT

20011127 US/RF
REISSUE APPLICATION FILED
20010316
UP - 2001-49

1 / 1 CRXX - @CLAIMS/RRX
PN - 5,881,717 A 19990316 [US5881717]
PA - Nellcor Puritan Bennett Inc
ACT - 20010316 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20011127
REISSUE REQUEST NUMBER: 09/811104
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3761

Reissue Patent Number:

Selected file: INPADOC

** SS 1: Results 5

1 / 5 INPADOC - @INPADOC
PN - AU 66689/98 A1 19981012 [AU9866689]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A
PATIENT VENTILATOR
IN - ISAZA FERNANDO J
PA - NELLCOR PURITAN BENNETT INC
AP - AU 66689/98-A 19980224 [1998AU-0066689]
PR - US 818173/97-A 19970314 [1997US-0818173]
WO 9803748/98(US)-W 19980224 [1998WO-US03748]
IC - A61M-016/00

2 / 5 INPADOC - @INPADOC
PN - EP 968020 A1 20000105 [EP-968020]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A
PATIENT VENTILATOR
LA - ENG
IN - ISAZA FERNANDO J [US]
PA - NELLCOR PURITAN BENNETT INC [US]
AP - EP 98908737/98-A 19980224 [1998EP-0908737]
PR - WO 9803748/98(US)-W 19980224 [1998WO-US03748]
US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT*
SE*

1 / 1 LEGALI - @LEGSTAT
PN - EP 968020 [EP-968020]
AP - EP 98908737/98 19980224 [1998EP-0908737]
DT - EP-P
ACTE - 19980224 EP/AE-A
EP-APPLICATION
EP 98908737/98 19980224 [1998EP-0908737]

20000105 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20000105 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

20000105 EP/17P [+]
REQUEST FOR EXAMINATION FILED
19991014

UP - 2000-01

3 / 5 INPADOC - @INPADOC

PN - JP 2001515387 T2 20010918 [JP2001515387]
AP - JP 540521/98-A 19980224 [1998JP-0540521]
PR - US 818173/97-A 19970314 [1997US-0818173]
WO 9803748/98(US)-W 19980224 [1998WO-US03748]
IC - A61M-016/00

4 / 5 INPADOC - @INPADOC

PN - US 5881717 A 19990316 [US5881717]
TI - SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR
DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR
IN - ISAZA FERNANDO J [US]
PA - NELLCOR PURITAN BENNETT INC [US]
AP - US 818173/97-A 19970314 [1997US-0818173]
PR - US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00

1 / 1 LEGALI - @LEGSTAT

PN - US 5881717 [US5881717]
AP - US 818173/97 19970314 [1997US-0818173]
DT - US-P
ACTE - 19970314 US/AE-A
APPLICATION DATA (PATENT)
US 818173/97 19970314 [1997US-0818173]

19970812 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
NELLCOR PURITAN BENNETT INCORPORATED 4280 HACIENDA DRIVE
PLEASANTON, CALIFORNIA * ISAZA, FERNANDO J. : 19970603

19990316 US/A
PATENT

20011127 US/RF
REISSUE APPLICATION FILED
20010316

UP - 2001-49

5 / 5 INPADOC - @INPADOC

PN - WO 9841268 A1 19980924 [WO9841268]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A
PATIENT VENTILATOR
LA - ENG
IN - ISAZA FERNANDO J
PA - NELLCOR PURITAN BENNETT INC [US]
AP - WO US 9803748/98(US)-A 19980224 [1998WO-US03748]
PR - US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00
DS - AU* CA* JP* AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 3 LEGALI - ©LEGSTAT

PN - JP 540521/98
AP - JP 540521/98 0 [1998JP-0540521]
DT - JP-A
ACTE - 19990913 JP/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9841268> WO9841268
UP - 2002-26

2 / 3 LEGALI - ©LEGSTAT

PN - CA 2281835 [CA2281835]
DT - CA-P
ACTE - 19990818 CA/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9841268> [WO9841268]
UP - 2000-02

3 / 3 LEGALI - ©LEGSTAT

PN - WO 9841268 [WO9841268]
AP - WO 9803748/98 (US) 19980224 [1998WO-US03748]
DT - WO-P
ACTE - 19980224 WO/AE-A
APPLICATION DATA
WO 9803748/98 (US) 19980224 [1998WO-US03748]

19980924 WO/AK-A1 [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH
REPORT
AU CA JP

19980924 WO/AL-A1 [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITH SEARCH REPORT
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19980924 WO/A1 [+]
PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE
INTERNATIONAL SEARCH REPORT

19981112 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF
19TH MONTH FROM PRIORITY DATE

19990224 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN
THIS APPLICATION

19990818 WO/ENP-AA
ENTRY INTO THE NATIONAL PHASE IN:
<CA 2281835>

19990913 WO/ENP-A
ENTRY INTO THE NATIONAL PHASE IN:
<JP 98540521>

UP - 2002-26

Session finished: 16 JUL 2002 Time 19:53:16